

## ABSTRACT

The present invention relates to an ozone water that has the potential to find useful applications in a wide variety of technical fields and is capable of maintaining the effects of wiping out microorganisms such as bacteria, viruses and the like and inhibiting the growth thereof over long periods.

The present invention provides ozone nano-bubbles capable of staying in a solution for an extended period of time and a method for producing the ozone nano-bubbles by instantaneously shrinking the diameters of ozone microbubbles contained in an aqueous solution by the application of a physical irritation to the ozone microbubbles in an aqueous solution.